

System Specifications



1.14 Kg

Maximal Thrust:



12"

Propeller
Diameter



11.1 V

Voltage



198 g

Mass

Motor

Name:	M-3011-760kv
Manufacturer:	Scorpion
KV [RPM/V]:	725
Mass (Inc. Cables) [g]:	104
Max Continuous Current [A]:	22
Max Peak Current (2s) [A]:	30
Voltage [V]:	26
Contact:	support@spihk.com

ESC

Name:	Tribunus 06-80A ESC SBEC
Manufacturer:	Scorpion
Mass (Inc. Cables) [g]:	74
Max continuous Current [A]:	80
Max peak Current (2s) [A]:	120
Voltage [V]:	26.1
Contact:	support@spihk.com

Propeller

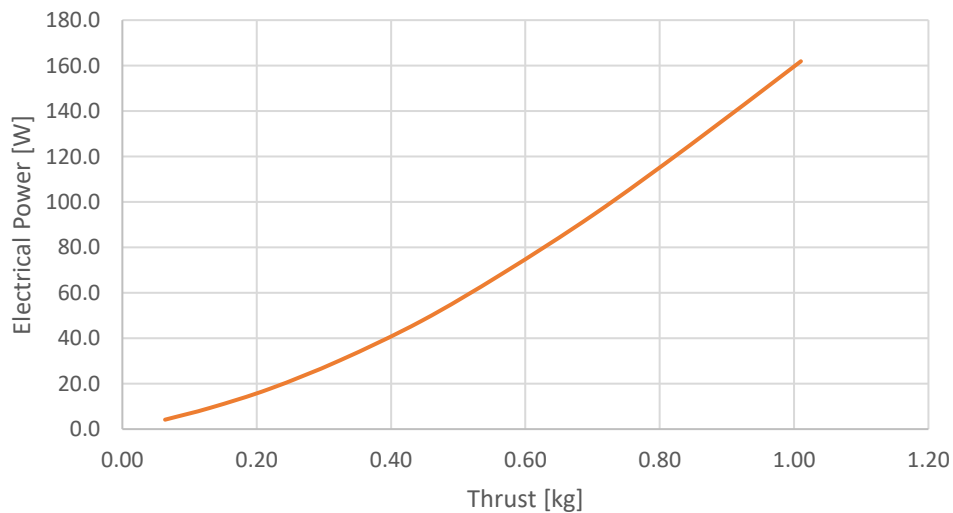
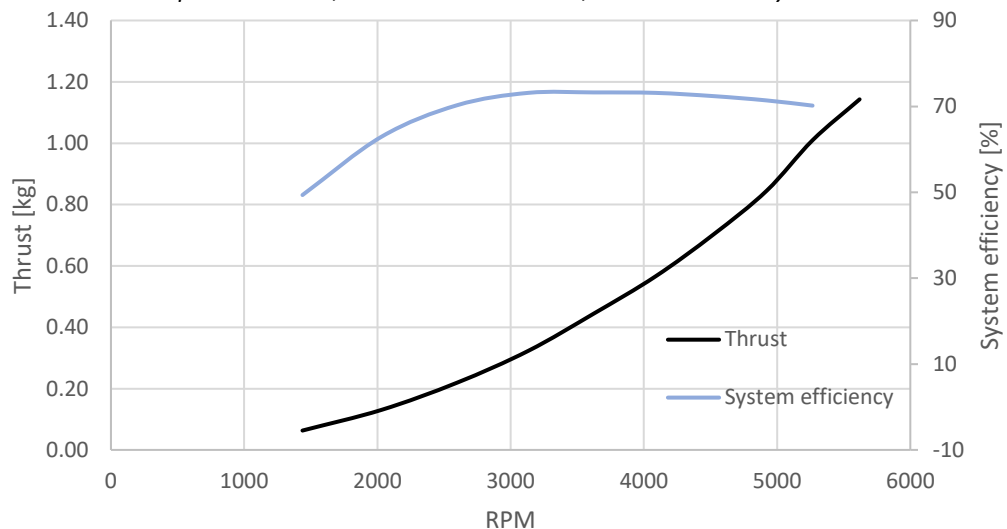
Name:	12x4.5-3 Blade
Manufacturer:	Mejzlik
Diameter ["]:	12
Pitch ["]:	4.5
Mass [g]:	20
Contact:	info@mejzlik.eu

Measurements

ID 0002

Throttle [%]	Rotational Speed [RPM]	Thrust [kg]	Torque [Nm]	Voltage [V]	Current [A]	Mechanical Power [W]	Electrical Power [W]	System Efficiency [%] ^[1]
20	1439	0.06	0.01	11.1	0.4	2.1	4.2	49.4
29	2032	0.13	0.03	11.1	0.8	5.9	9.4	63.0
38	2598	0.22	0.05	11.1	1.6	12.5	17.8	70.3
47	3134	0.32	0.07	11.1	2.7	22.2	30.3	73.2
56	3626	0.45	0.09	11.1	4.3	34.9	47.7	73.3
64	4087	0.57	0.12	11.0	6.2	50.2	68.6	73.2
73	4521	0.70	0.14	11.0	8.6	68.5	94.6	72.4
82	4922	0.85	0.17	10.9	11.5	89.3	125.1	71.4
91	5266	1.01	0.21	10.9	14.9	113.7	162.0	70.2
100	5619	1.14	0.23	10.8	18.5	137.8	200.1	68.9

Temperature: 26°C, Air Pressure: 1005hPa, Relative Humidity: 28%



^[1] Includes motor efficiency, controller efficiency, wire and connectors losses.